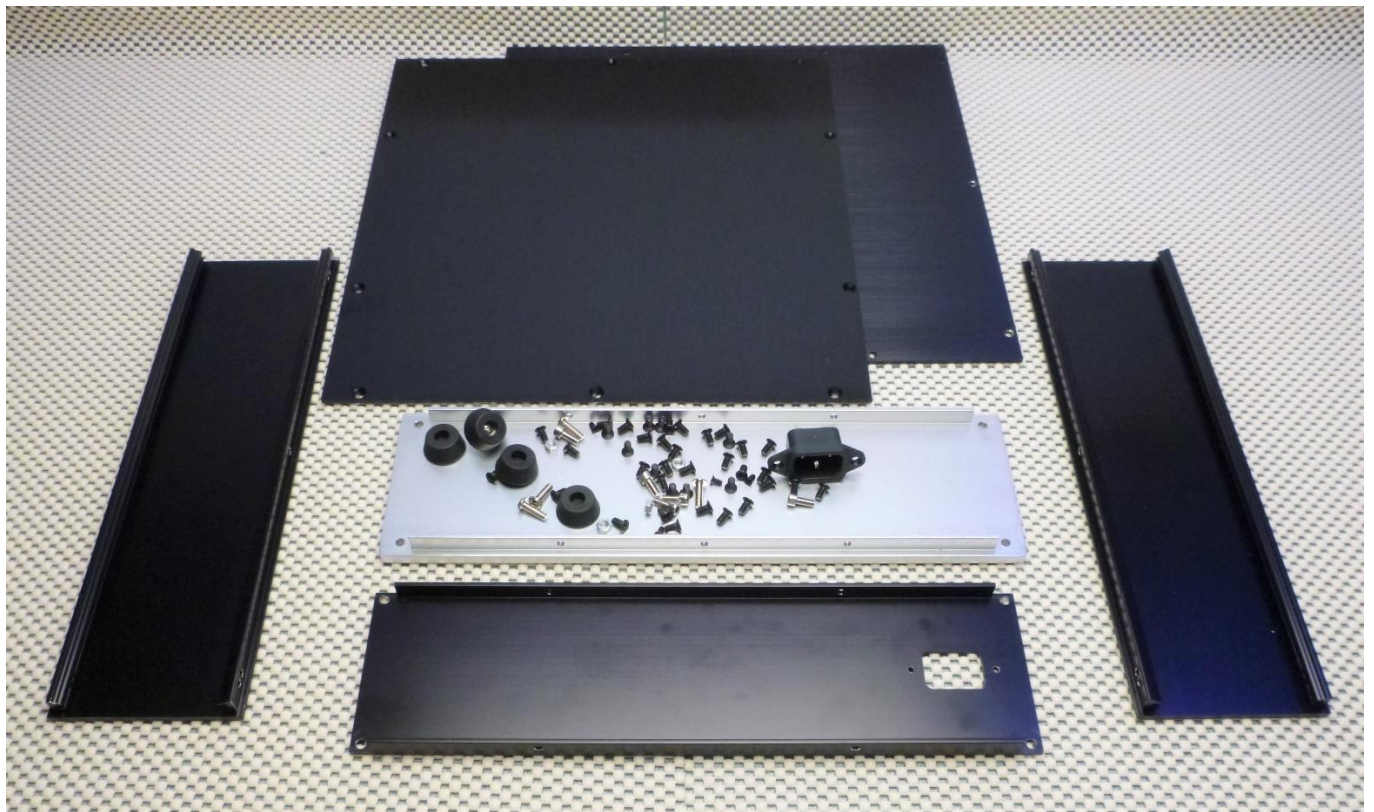


Chassis Initial Assembly

Wall of Sound.ca DIY all tube phono preamp project

Please don't skip this step.

At first glance the panels look symmetric but in fact they must be oriented in a specific way. By assembling the chassis in a "dry run" first, you will become familiar with how it fits together and the orientation of the panels. This will also ensure everything fits and all parts are present. As well, we'll label the various panels to avoid confusion later on.



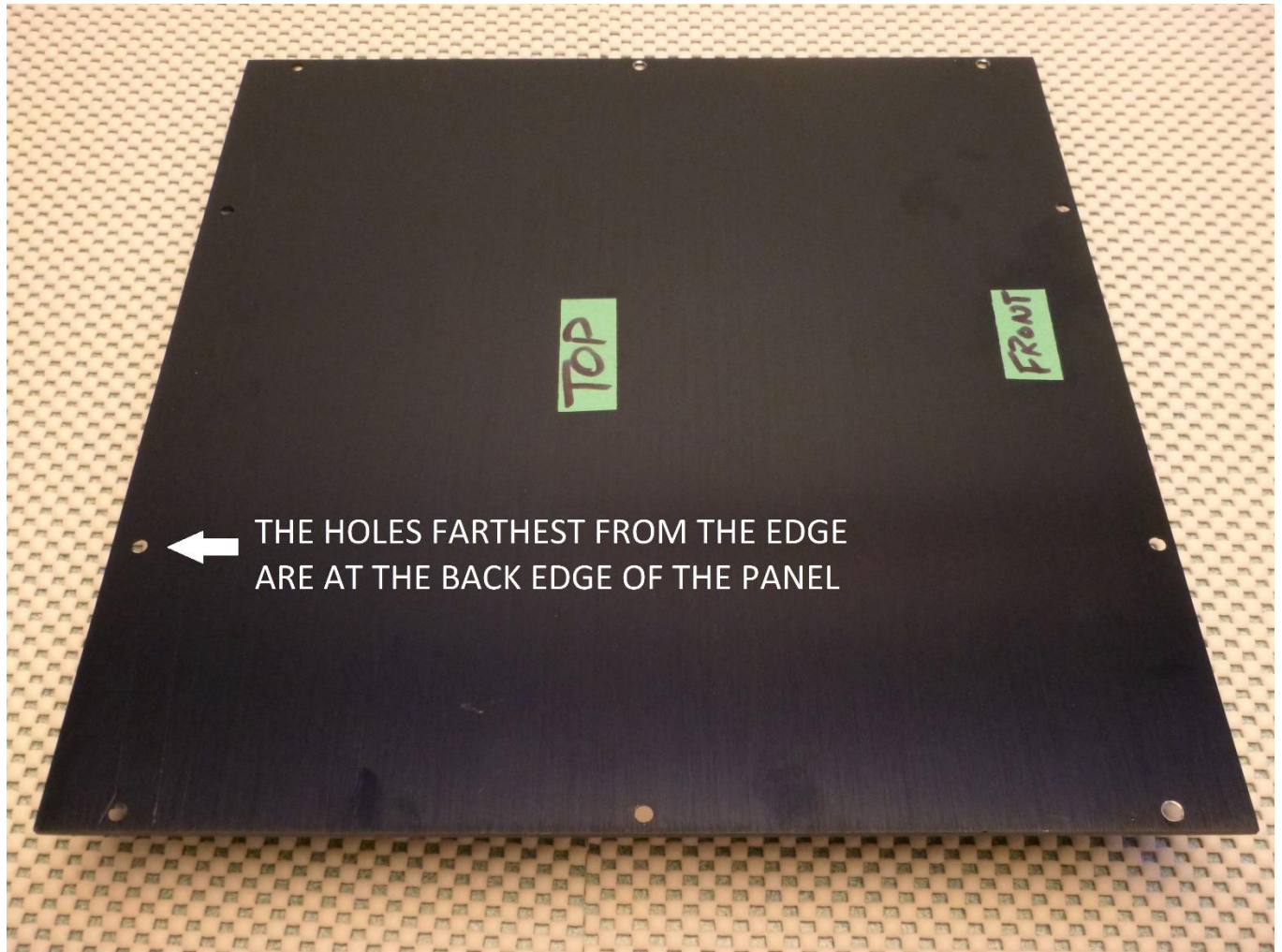
Don't be concerned if there are screws left over when the chassis is completely assembled. The sellers of these chassis typically throw in extras.

Tools required:

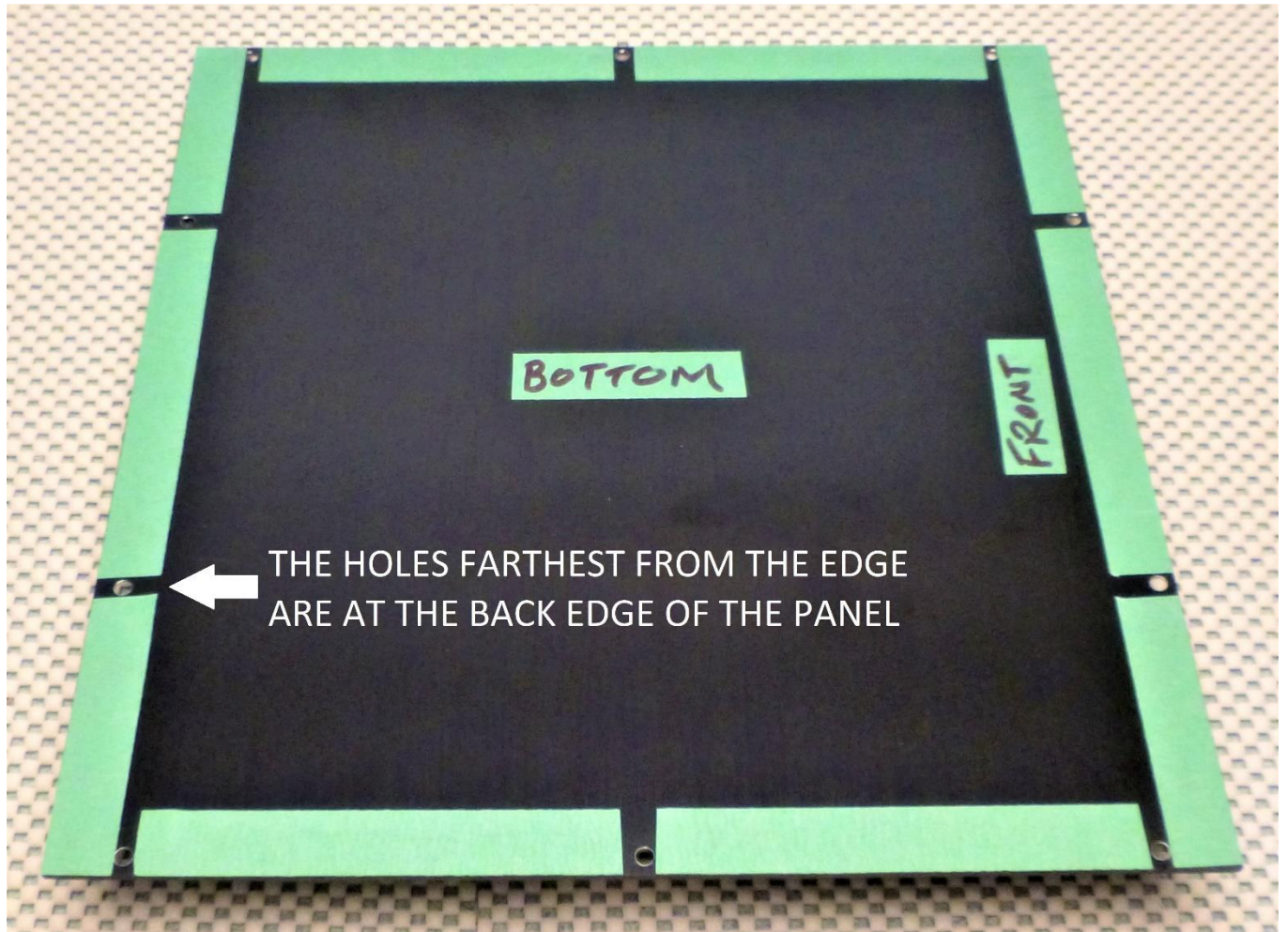
Phillips screw drivers, 3mm hex (Allen) key,

Painters tape, Black Sharpie marker, Black fine point marker

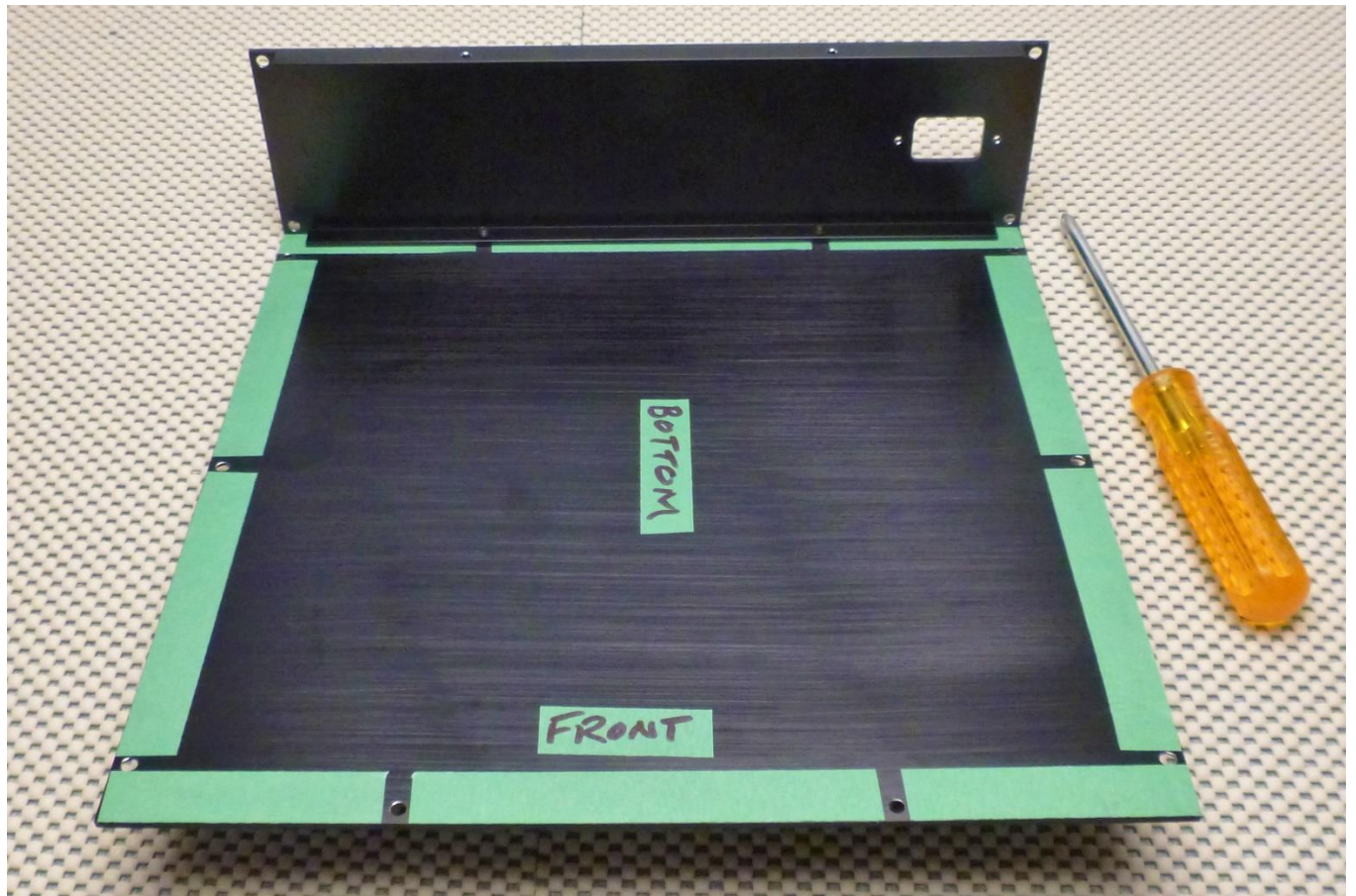
Locate the two largest panels. Inspect the outside surfaces (the side where the countersinks for the screw heads can be seen). Pick the better looking one for the top. Note that the holes on one side are farther from the edge than on the other three sides. This is the rear edge of the panel. Using a piece of tape label the front edge on the inside (countersinks on opposite side) as shown below.



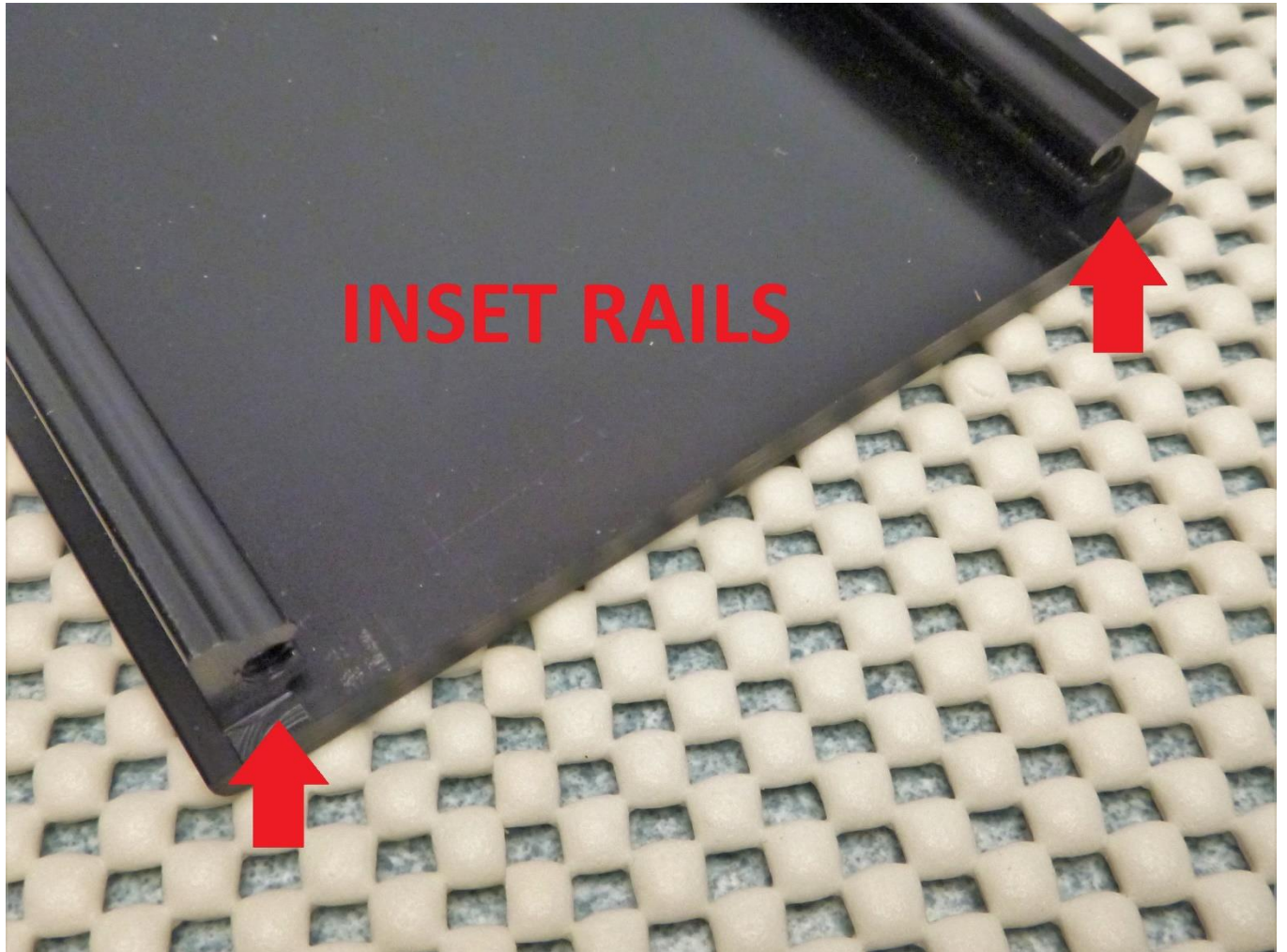
On the inside of the bottom panel put painter's tape around all edges and flush to them. Like the top above, the holes on one side are farther from the edge than on the other three sides. This is the rear edge of the panel. Using a piece of tape label the front edge on the inside (countersinks on opposite side) label as shown below.



Attach the back panel to the bottom panel with the AC inlet hole on the right side as viewed from the front. Leave the screws slightly loose.

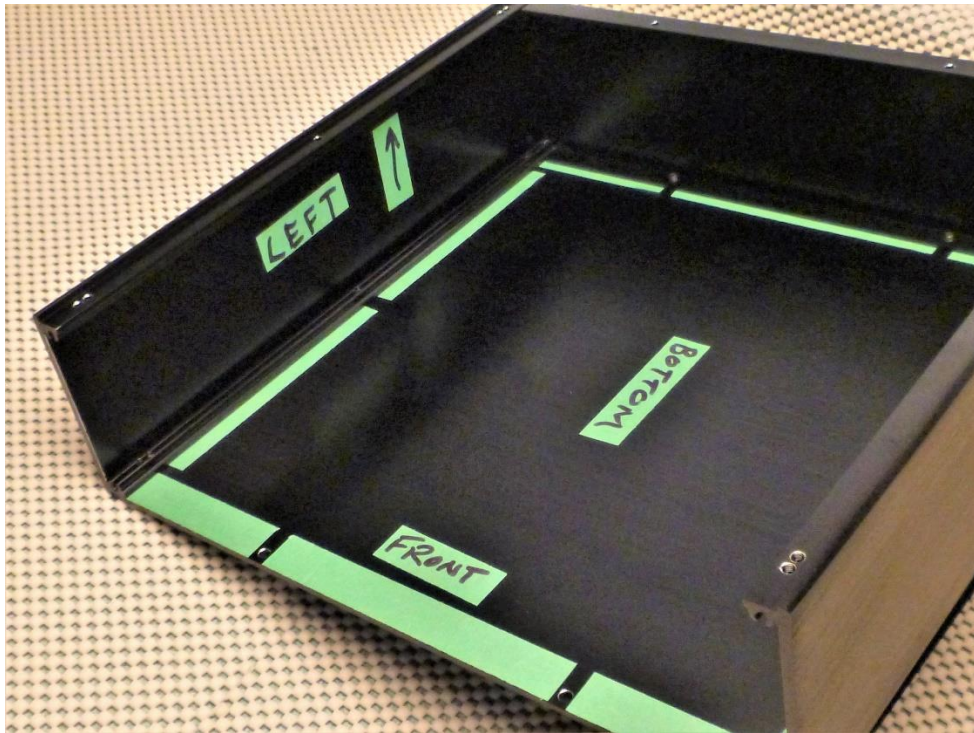


Note: The side panel upper and lower "rails" have an inset on one end. These ends connect with the rear panel of the chassis.

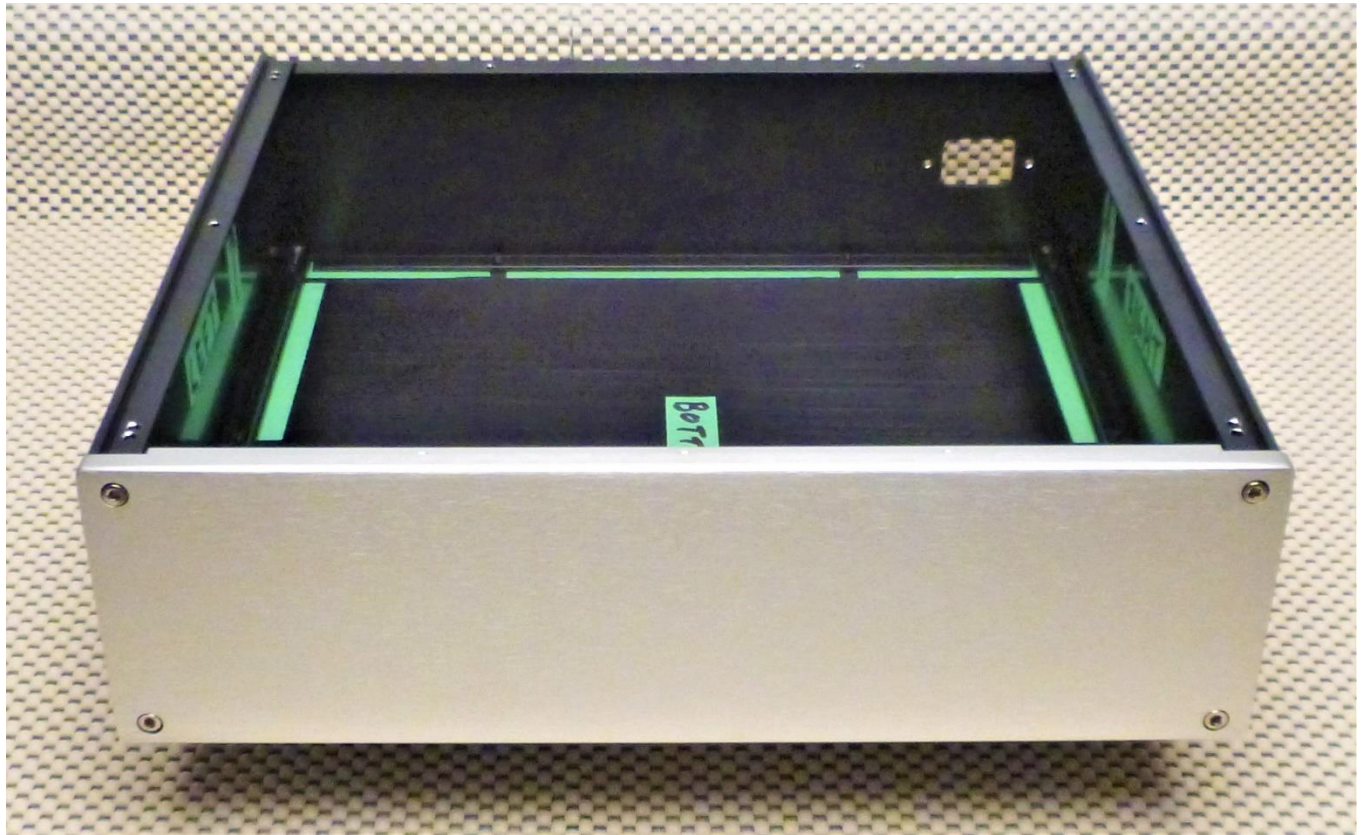


Attach the side panels to the bottom and back leaving the screws slightly loose.

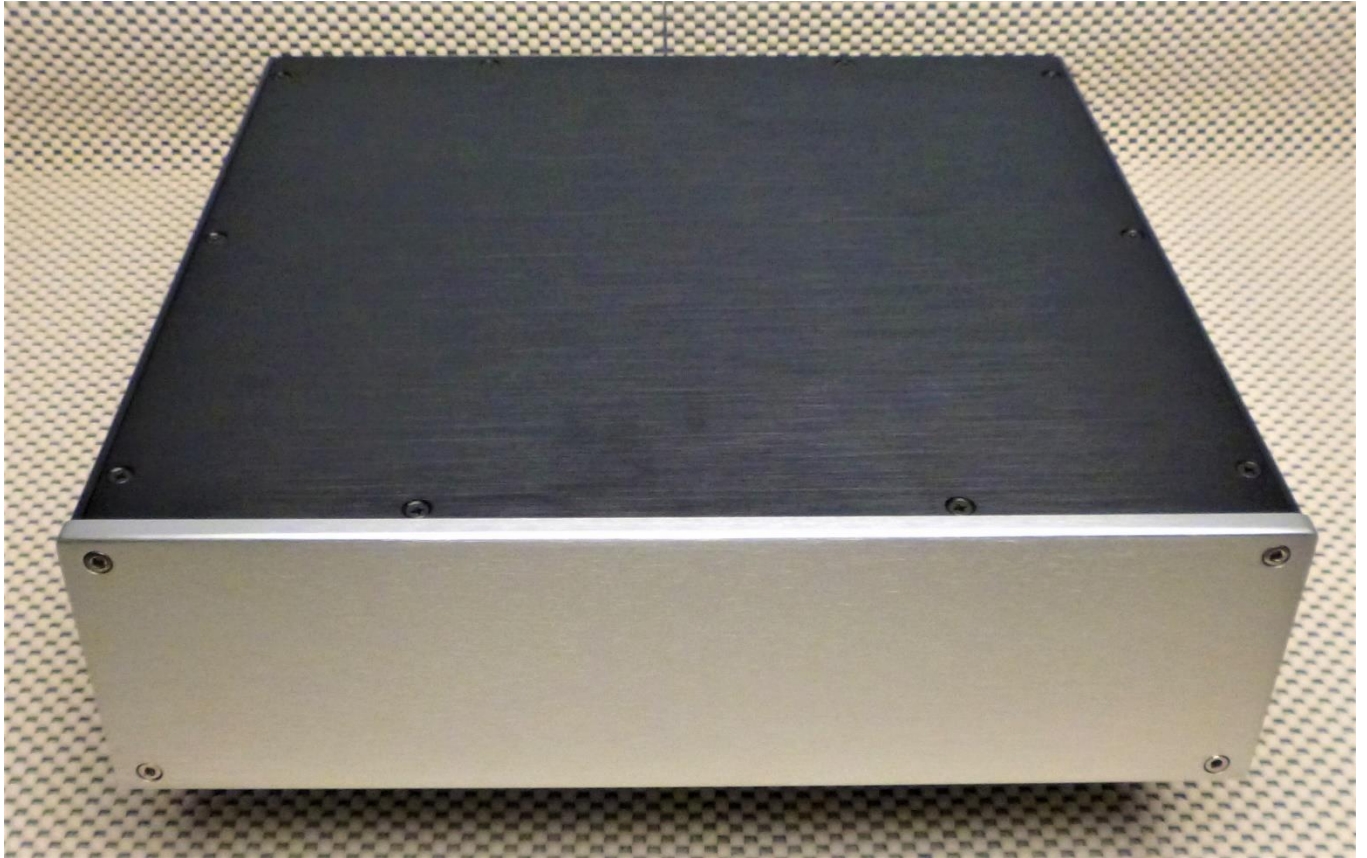
Label the panels as shown below.



Attach the front to the bottom and sides but leave the screws a little loose.

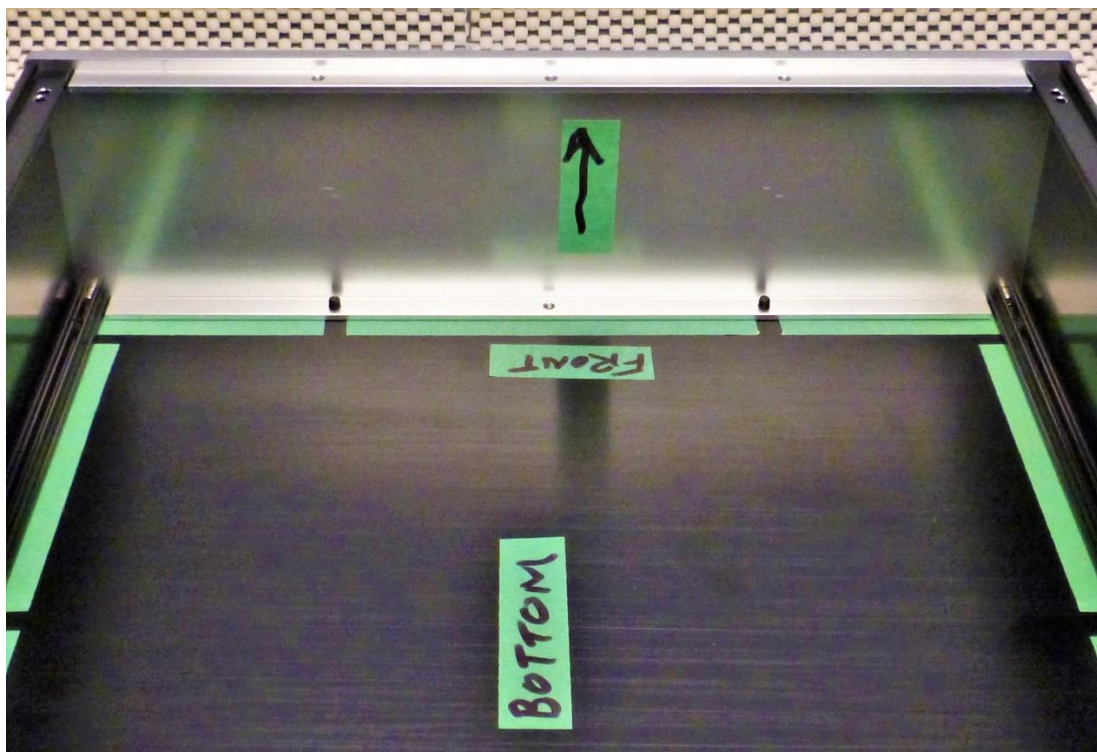


Attach the top and tighten all screws.

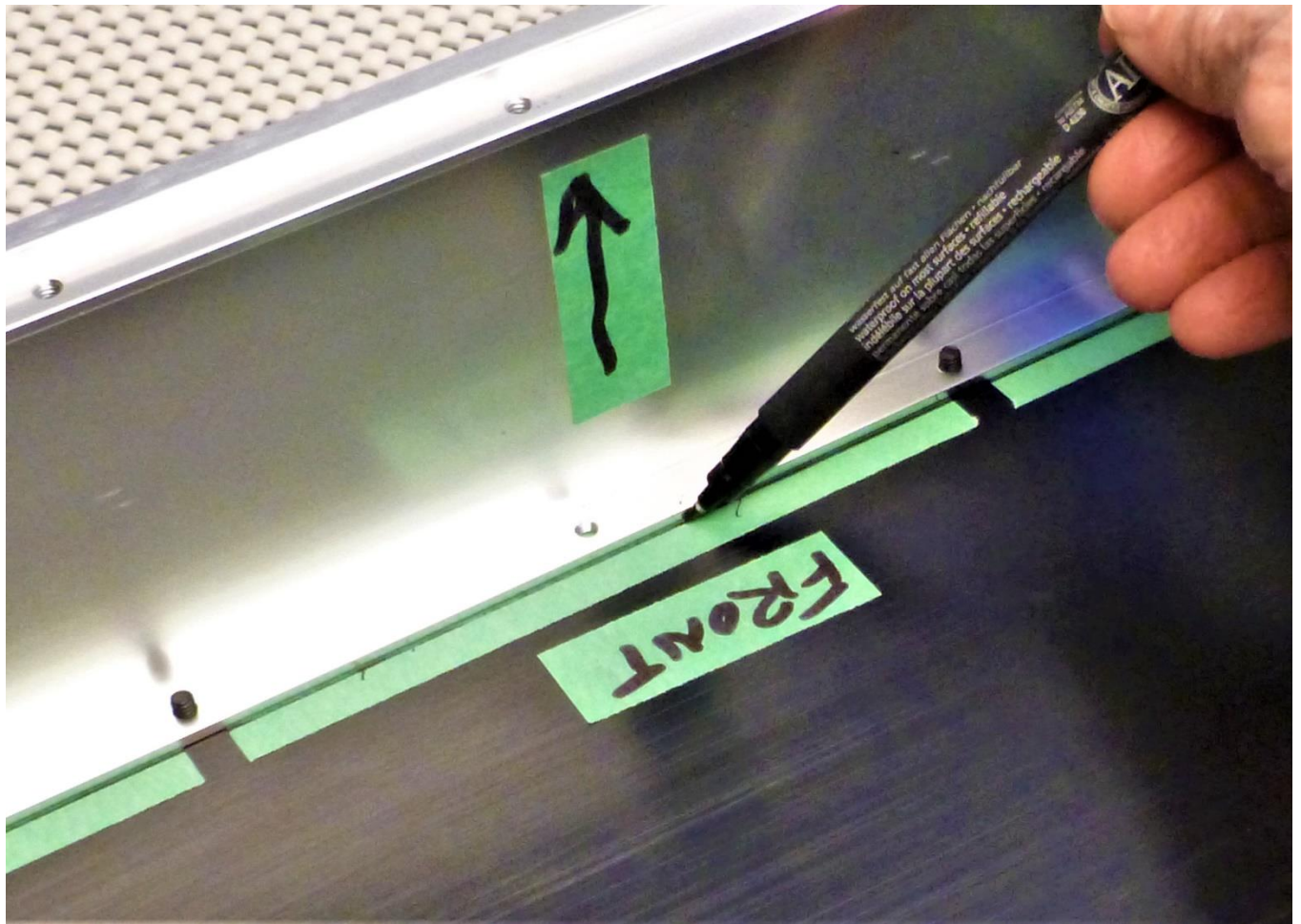


When happy with the fit of the plates carefully remove the top and store it where it won't get damaged.

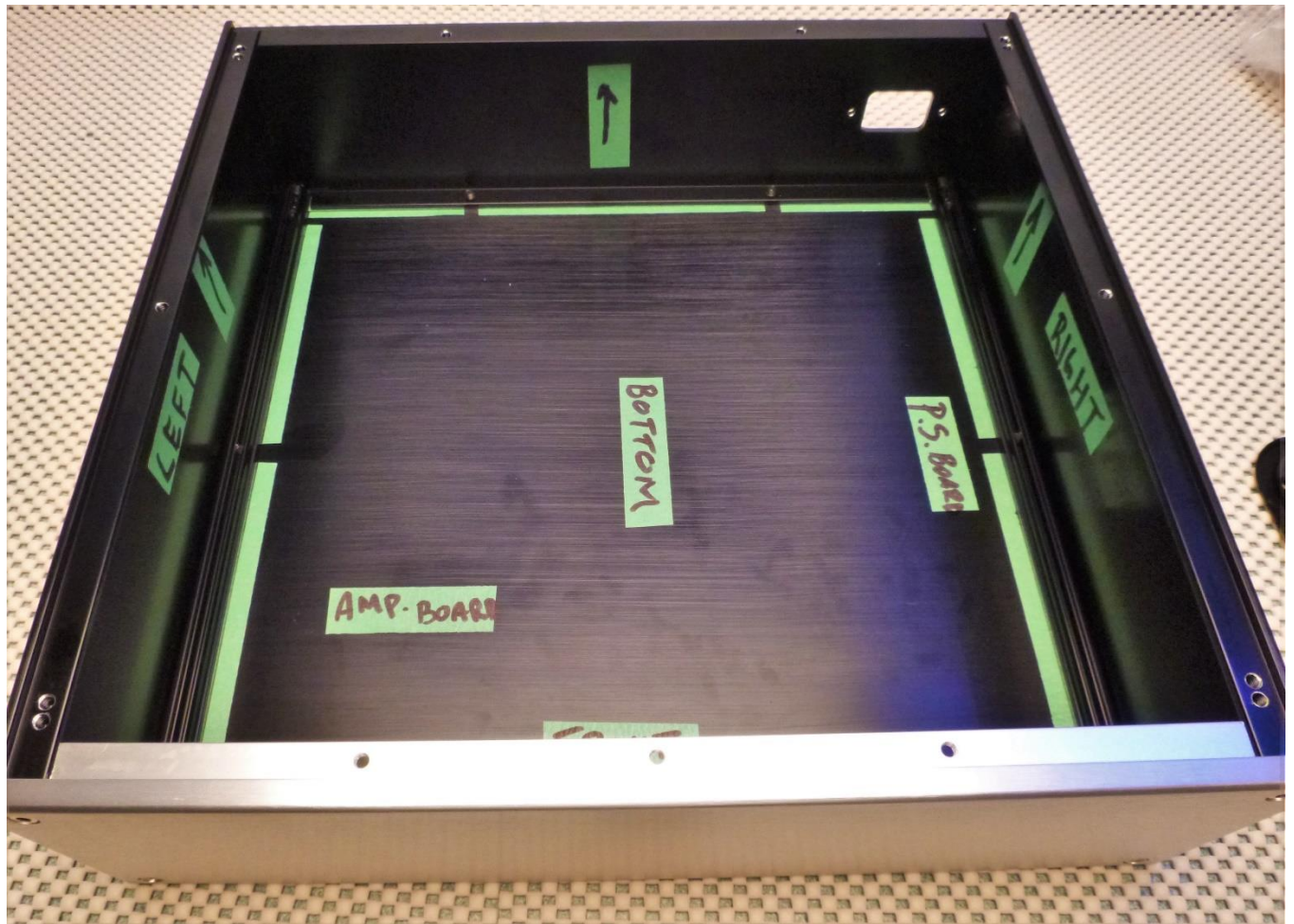
Label the front and back as to orientation as shown below.



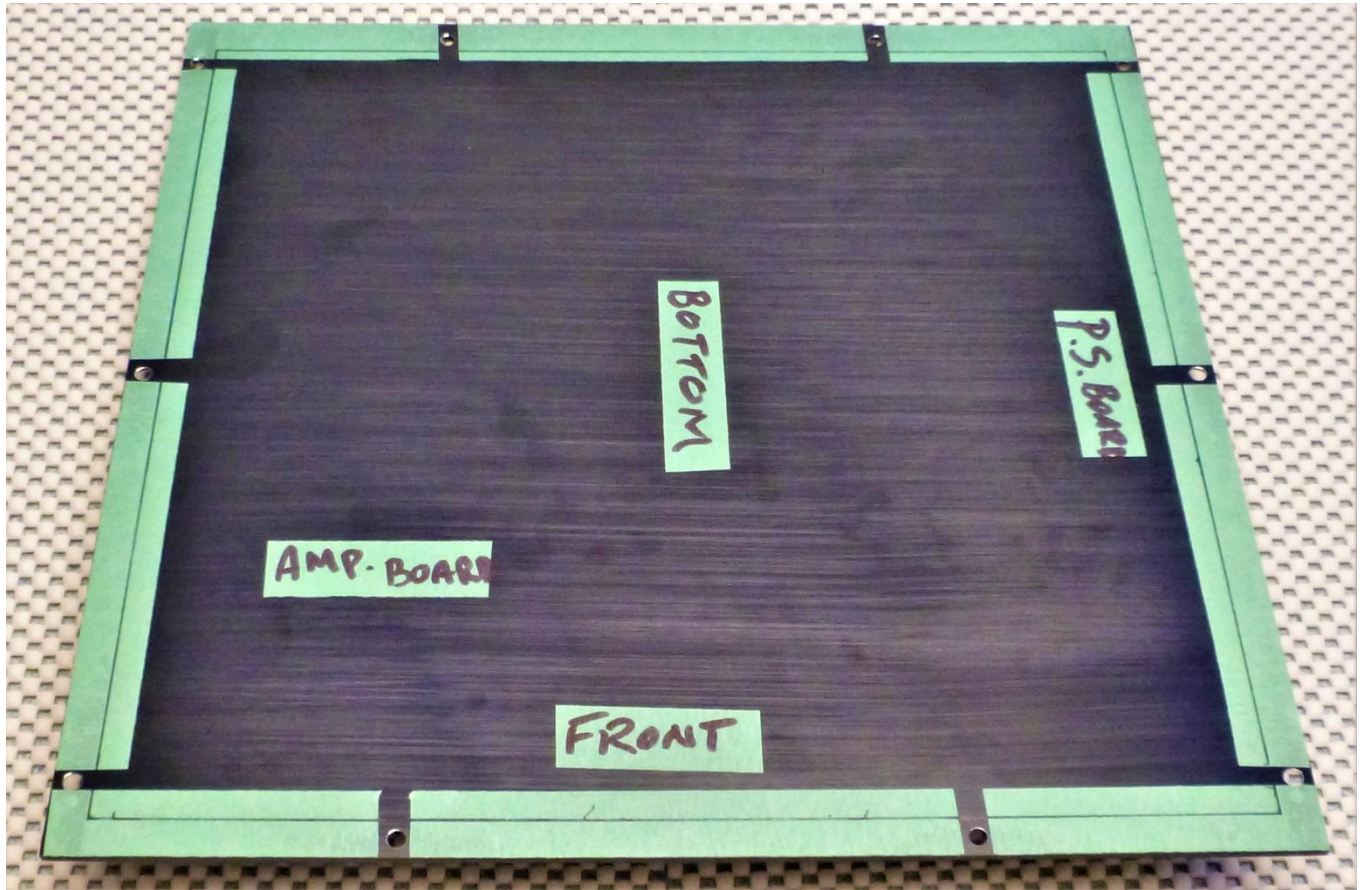
Using a fine point marker, draw a line around the inside perimeter on the tape previously applied to the bottom plate.



Label the right side of the bottom plate for the power supply board, the left side for the amplifier board as shown below.



Remove the bottom plate from the sides, front and back.



Leave the sides front and back together for now but set aside in a safe place to avoid damage.

Proceed to: **Metal-Working for Dummies, part 1** and the subsequent parts in order.